IST 659 Lab 6 SQL III
Instructions

Business Case (this is the same case you have worked on for labs 4 and 5)

Business Case

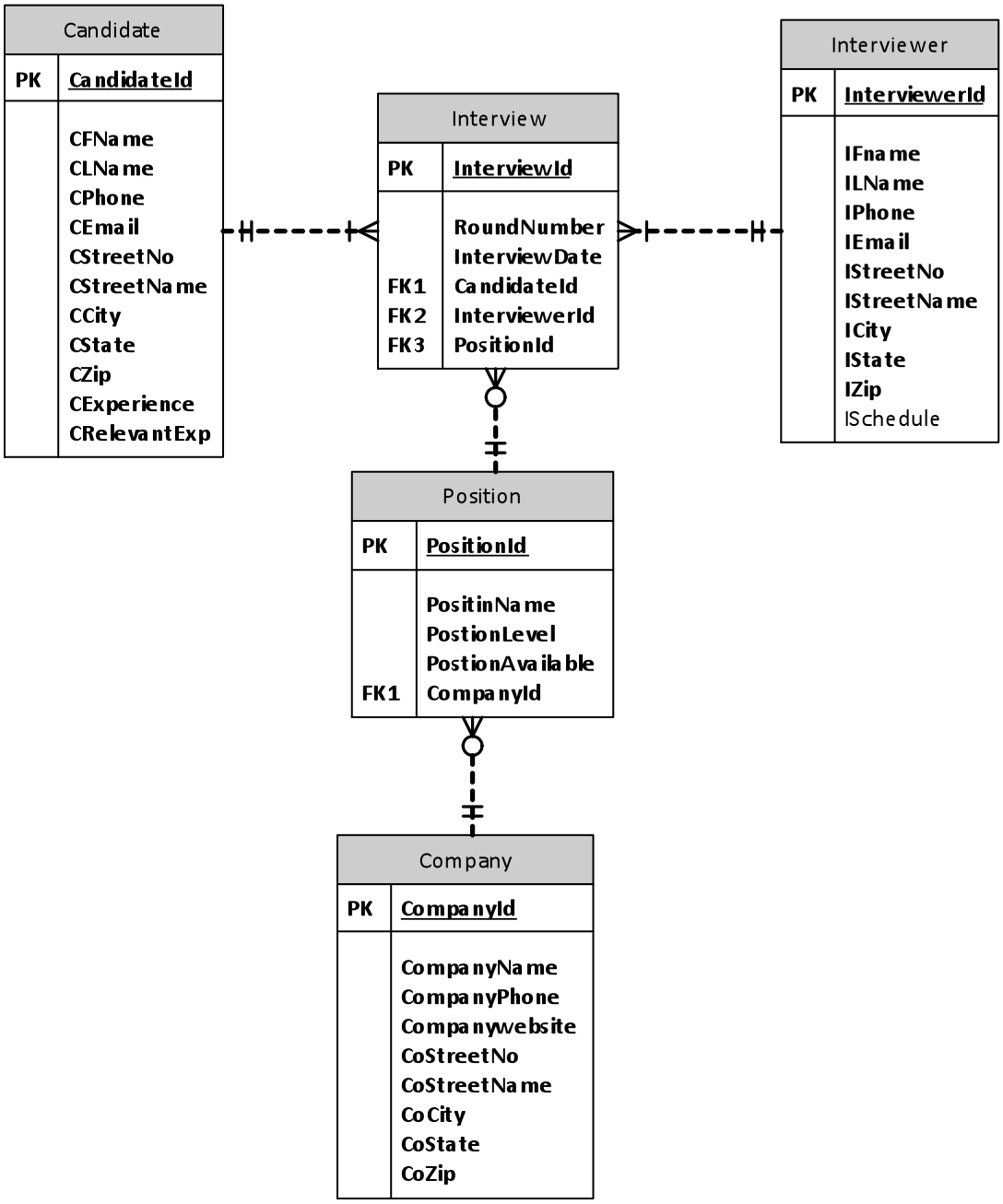
Career Services of our school wants to keep a track of all interviews (positions, candidates, company, and interviewer) that take place. They want to keep track of all the companies, the potential candidates, interviewer, positions available at companies etc. Sometimes the career services needs to contact the companies for verification or other inquiries. We need to build a database that would assist the career services in recording this information.

In this database system, each company and candidate will have their own profiles which include their names and contact information such as phone numbers, postal addresses. Candidates would need to provide information about their primary Experience domain, and relevant experience. Interviewers may or may not provide their office hour information. The schedule or office hour information should be a text describing when the interviewer's office is open, e.g. 9am-5pm Monday – Thursday.

An interviewer can conduct one or multiple interviews of candidates. A candidate can have one or more interviews. Each interview must have an interview date and round number along with information about the Candidate (CandidateId) and Interviewer (InterviewerId).

The database should also maintain information about the positions a company is looking to hire for. Details about position level, and position name should also be given. Information about whether the position is still available or not should also be stored in the database (this field will be either "yes" or "no").

In this lab we have already created the ERD model for the career services database (see below).


Candidate
PK
CandidateId
CFName
CLName
CPhone
CEmail
CStreetNo
CStreetName
CCity
CState
CZip
CExperience
CRelevantExp
Interview
PK
InterviewId
RoundNumber
InterviewDate
FK1
CandidateId
FK2
InterviewerId
FK3
PositionId
Interviewer
PK
InterviewerId
IFname
ILName
IPhone
IEmail
IStreetNo
IStreetName
ICity
IState
IZip
ISchedule
Position
PK
PositionId
PositinName
PostionLevel
PostionAvailable
FK1
CompanyId
Company
PK
CompanyId
CompanyName
CompanyPhone
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CoStreetNo
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Lab 6 instruction

Imagine you are hired to design a new database to support this platform. In lab 4 you have created and populated the tables. In lab 5 you have revised the tables and written queries to answer easy data questions. In this lab you are going to write complex queries which pull data out of multiple tables. Please write SQL statements to finish the following tasks:

1. Join table queries

    a) Find all candidates who were interviewed for second round (Round Number = 2) Internship position. Show each candidate's details which includes candidate ID, candidate name, phone number, candidate experience, and relevant experience.
    b) Find all positions whose interviews were conducted by "Amy May"(interviewer). Show the PositionId, position level, position name and position availability.
    c) Find all interviewers who conducted one or more second-round interviews. Show the Interviewer details like Interviewer ID, Interviewer phone, Interviewemail, Interviewer address and schedule.
    d) Find all candidates who interviewed for the position "Advisory Consultant". Show Candidate details and interview details.
    e) Find positions for all the interviews that were conducted on September 28th, 2013. Show the PositionId, position level, position name and position availability.
    f) Find all positions for which no interviews were conducted, and delete them from the Position table.
    g) Find the interviewer who conducted the interview for candidate "Heather Cameron". Update this interviewer's phone number to 315-400-5000.

Submission

Please submit your lab report in one doc or docx file named "lastname-firstname-lab6.doc(x)". Remember to add comments to your SQL statements to explain the purpose of the code blocks. This lab report is due by **Tuesday, 03/22, 02:00pm**.

The lab report should follow the template in lab 4 solutions. After each question, copy and paste your SQL statement, followed by the screenshot to show that your SQL statement has been successfully executed. Both SQL statement and the result should be visible in the screenshot. Remember to add comments to your SQL statements to explain the purpose of the code blocks. Include Screen shots of the SQL Server Management Studio with your username which is there at the bottom right hand corner.